

Grants from the March 15, 2007 Deadline
 Alphabetical by Student's Last Name

Student	Institution	Subject	Title	Mentor
Jessica Abbate	University of Virginia	Ecology	The determinants of pathogen distribution in natural populations: Anther smut on <i>Silene vulgaris</i> across an elevational gradient.	Janis Antonovics
Jennifer Abrahamson	Iowa State University	Hydrology/ Geomorphology	Hydrogeological and Geophysical Investigation of the Upper Bear Creek Watershed	William Simpkins
BriAnne Addison	University of Missouri-St. Louis	Ecology	Ecology and evolution of maternal antibody allocation in <i>Turdus grayi</i>	Robert Ricklefs
Lori Albergotti	University of Florida	Physiology/ Functional Morphology	Endocrine Function of Embryonic Membranes	Louis Guilette
Lisa Ambrose-Lanci	Thomas Jefferson University	Cell Biology/ Biochemistry	The influence of delta-opioid receptor function on anxiety in female rats during cocaine withdrawal	Elizabeth Van Bockstaele
John Apodaca	University of Colorado at Denver	Physics/ Astronomy	Flux Monitoring of Active Galactic Nuclei at Optical Wavelengths	Alberto Sadun
Allen Ardestani	University of California-Los Angeles	Physiology/ Functional Morphology	Electrophysiology and Hemodynamics of Working Memory	Joaquin Fuster
Sarah Ardire	Long Island University-C.W. Post Campus	Psychology	Is the Relationship Between Maternal Emotional Intelligence and Child Emotional Competence Mediated by Maternal Sensitivity?	Camilo Ortiz
Lelena Avila	University of Virginia	Systematics/ Evolutionary Biology	Evolution of Color in <i>Thamnophis sirtalis</i>	Edmund Brodie
Nicholas Balascio	University of Massachusetts Amherst	Paleontology/ Sedimentation	Holocene tsunami deposits in coastal lakes of the Lofoten Islands, northwestern Norway	Raymond Bradley
Evan Ball	Drake University	Behavioral Ecology	Effects of sub chronic, pharmacological administration of genistein on spatial learning and memory in rats	Craig Wrenn

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Alexandra Baluka	Eastern Illinois University	Cell Biology/ Biochemistry	Evaluation of the Oxalate-Consuming Activities of Probiotic Microorganisms	Steven Daniel
Sunayana Banerjee	Cornell University	Physiology/ Functional Morphology	Dopamine in the preoptic area of the brain: Its role in male sexual behavior and pair bond formation in zebra finches (<i>Taeniopygia guttata</i>).	Elizabeth Adkins-Regan
Ken Batai	University of Illinois at Chicago	Anthropology	Is the mitochondrial haplogroup B a thrifty genotype?	Sloan Williams
Javan Bauder	Idaho State University	Ecology	The effects of topography, fire disturbance, and prey availability on the movements and habitat selection of prairie rattlesnakes in a mountainous landscape in central Idaho	Charles Peterson
Maria del Mar Beaumont Fantozzi	Universidad de Buenos Aires	Ecology	Diversity and habitat associations of seed-carrying ant assemblages in the Monte desert	Javier Lopez de Casenave
Laura Bedinger	University of South Florida	Ecology	What lies beneath: structure and ecosystem function of rhizophytic algal holdfasts in soft bottom habitats	Susan Bell
Alison Behie	University of Calgary	Behavioral Ecology	The interaction of Nutrition, Stress levels and Parasite Load in Determining Black Howler Monkey Population Density in Monkey River, Belize	Mary Pavelka
Bailey Beitscher	Colorado State University	Petrology/ Geochemistry	Trace elements in molybdenite as indicators of tectono-metallogenic setting	Holly Stein
Kristin Bell	Southern Illinois University-Carbondale	Psychology	The Contribution of Nonshared Environmental Factors to Differential Parental Discipline: A Twin Study	Lisabeth DiLalla

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Mackenzie Bergstrom	University of Calgary	Anthropology	Dominance in white-faced capuchins (<i>Cebus capucinus</i>): Assessment of hierarchical linearity, strength, and dominance style.	Linda Fedigan
Gregory Betzel	University of Canterbury	Physics/ Astronomy	Synthetic Diamonds for Radiation Therapy Dosimetry	Lou Reinisch
Marina Blanco	University of Massachusetts Amherst	Anthropology	Survey of nocturnal lemurs (<i>Cheirogaleus spp.</i>) in the continuous and fragmented forests of Tsinjoarivo, eastern Madagascar.	Laurie Godfrey
Sydella Blatch	Arizona State University	Cell Biology/ Biochemistry	Fruit Flies Lacking Dietary Folic Acid Grow Faster, So What About their DNA?	Jon Harrison
Eddie Blay	Brown University	Physiology/ Functional Morphology	Upregulation of FGF2 in Alzheimer's Disease	Edward Stopa
Eric Bless	University of North Dakota	Ecology	The effects of <i>Centrovarium lobotes metacercariae</i> on the bioenergetics of stream fishes	Steven Kelsch
William Boll	Georgia Institute of Technology	Physics/ Astronomy	Differential Photometry of Eclipsing Binary Stars	James Sowell
Luca Borghesio	University of Illinois at Chicago	Ecology	Habitat disturbance and the maintenance of bird species diversity in East African montane forests	Henry Howe
Ashley Bowers	University of Nebraska at Lincoln	Behavioral Ecology	Effects of Ultraviolet-B Radiation on Platyfish, <i>Xiphophorus maculatus</i> Fitness	Alexandra Basolo
Thomas Brennan	University of North Carolina at Chapel Hill	Physics/ Astronomy	The Observation of Gamma Ray Bursts	Daniel Reichart
Emily Broderick	American University	Ecology	Environmental and pathogenic effects on bacterial diversity in surface mucus layer of the Caribbean seafan <i>Gorgonia ventalina</i> .	Kiho Kim

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Sarah Brown	Simon Fraser University	Tectonics/ Geophysics	Constraining the Timing and Magnitude of Extension Along the Southern Section of the Okanagan Valley Fault, Southern BC	Dan Gibson
Aubrey Buckert	Portland State University	Systematics/ Evolutionary Biology	Steller Sea Lion (<i>Eumetopias jubatus</i>) Breeding Sites in Southern Oregon and Northern California: A Possible Hybrid Zone?	Debbie Duffield
Daniel Burland	University of Massachusetts Amherst	Anthropology	"I wasn't even anywhere": Militarism, Activism, and Veteran-ism	Krista Harper
Sarah Carnegie	University of Calgary	Behavioral Ecology	Reproductive strategies in white-faced capuchins: ovarian cycles, seasonality and concealed ovulation	Linda Fedigan
David Cerasale	Cornell University	Ecology	Leptin in migratory birds: a field validation	David Winkler
Yigen Chen	University of Georgia	Ecology	Can Plants Set Security Levels? Direct and Indirect Plant Defensive Responses to Gradations and Spatial Distribution of Herbivory	John R. Ruberson
Michael Chislock	Clarion University of Pennsylvania	Ecology	Anthropogenic Eutrophication Constrains the Ability of Freshwater Animals to Detect Predators	Andrew Turner
Sharon Coe	University of California-Riverside	Behavioral Ecology	Investment in incubation by female songbirds: does male behavior compensate for the effects of ambient temperature?	John Rotenberry
Samantha Colayori	Indiana State University	Physiology/ Functional Morphology	Anatomy and infrared detection ability of the facial pits of North American pit vipers.	George Bakken

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Susan Cook	Cornell University	Ecology	Phenotypic plasticity and plant invasions: a comparative study of native and exotic congeners	Anurag Agrawal
Erin Cooper	University of Oregon	Ecology	Population Structure and Dispersal of the Intertidal Gastropod <i>Tegula funebris</i>	Alan Shanks
Aron Costello	Miami University Ohio	Behavioral Ecology	Effect of Female Social Status on Male Preference and Reproductive Success	Douglas Meikle
Sarah Courbis	Portland State University	Systematics/ Evolutionary Biology	Population Structure of Island-associated Dolphins	Deborah Duffield
Kristen Covino	University of Maine, Orono	Behavioral Ecology	The Influence of Energetic Condition on Directional Decisions of Nocturnal Migrant Songbirds	Rebessa Holberton
Russell Cox	Marquette University	Engineering	Experimental Validation of Generalized Formulas for the Characteristics of Dynamically-Driven Polymer-Coated Microcantilever Chemical Sensors in a Viscous Liquid Medium	Fabien Josse
Sarah Crane	Virginia Commonwealth University	Ecology	Non-lethal Effects of Predators and Competition on Growth Efficiency	James Vonesh
Melissa Cuke	University of British Columbia	Conservation Biology	Effects of land use changes on the structure and functioning of tropical decomposer food webs	Diane Srivastava
Felisha Cullins	Texas A&M University-Corpus Christi	Hydrology/ Geomorphology	Assessment of Historical Transport of Radionuclides from Abandoned Uranium Mines to Watershed	Philippe Tissot
Jessica Cuthbert	University of Windsor	Behavioral Ecology	Ornamentation and mutual sexual selection in a Neotropical passerine bird	Stephanie Doucet

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Brenda Czerwinski	Villanova University	Cell Biology/ Biochemistry	Adaptive response of Japanese Quail (<i>Coturnix coturnix japonica</i>) to cold-acclimation: localization of avian UCP in skeletal muscle mitochondria	John Olson
Zoe Davis	Scripps College	Chemistry	Investigation of Particulate Air Pollutants on the Schizosaccharomyces Pombe Cell Cycle	Kathleen Purvis-Roberts
Ravi Desai	State University of New York at Stony Brook	Physiology/ Functional Morphology	Spatiotemporal activation in microstructured co-cultures of cardiomyocytes (CM) and genetically modified human mesenchymal stem cells (hMSC).	Emilia Entcheva
Larisa DeSantis	University of Florida	Paleontology/ Sedimentation	Paleoecological dynamics of mammalian communities under glacial and interglacial conditions in Florida, USA	Bruce MacFadden
Kristen DeVanna	University of Toledo	Ecology	Burrowing mayfly habitat choice: Effects on fish foraging	Christine Mayer
Aaron Diefendorf	Pennsylvania State University	Petrology/ Geochemistry	Evaluation of new novel bacterial lipid biomarkers for terrestrial paleoclimate within the context of the Paleocene-Eocene Thermal Maximum	Katherine Freeman
Natalie Doerr	University of California-Santa Barbara	Behavioral Ecology	Do male great bowerbirds, <i>Chlamydera nuchalis</i> , minimize the costs associated with acquiring bower decorations by re-using decorations acquired in previous breeding seasons?	John Endler

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Laura Dong	North Carolina State University	Engineering	Determination of Block Copolymer Sequence Length Distributions by the Measurement of Electro-optical Kerr Constants	George Roberts
Vanessa Drueke	Illinois State University	Hydrology/ Geomorphology	The Impact of Streambed Sediment Size on Hyporheic Temperature Profiles in a Low Gradient Third-order Agricultural Stream	Eric Peterson
Jeffrey Du Vernay	University of South Florida	Anthropology	Investigating Culture Change among Late Prehistoric Indians in the Apalachicola River Valley of Northwest Florida: The Place of Lamar Ceramics in the Fort Walton Sequence	Nancy White
Tara Duffy	State University of New York at Stony Brook	Ecology	Proximate mechanisms for growth and sex determination in a marine fish with application to local adaptation and fishery induced selection	David Conover
Tasha Dunn	University of Tennessee-Knoxville	Petrology/ Geochemistry	Deriving New Calibrations For VISNIR Spectra of Asteroids Using Ordinary Chondrite Modal Abundances	Harry McSween
Anne Duploux	University of Queensland	Systematics/ Evolutionary Biology	Genomics of a male-killing Wolbachia in the butterfly <i>Hypolimnas bolina</i>	Scott O'Neill
Humberto Dutra	University of Missouri-St. Louis	Ecology	Impact of an invasive shrub, <i>Lonicera maackii</i> (<i>Caprifoliaceae</i>), on biodiversity through biotic interactions	Robert Marquis
Jessica Ellis	Virginia Polytechnic Institute and State University	Physiology/ Functional Morphology	Effects of acyl-dystrophy induced by ACSL1 adipose-specific knock out mouse.	Rosalind Coleman

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Quinn Emmering	Texas Tech University	Behavioral Ecology	Do songbirds assess nest-predation risk using auditory cues of predators: an experimental manipulation of chipmunk vocalizations	Kenneth Schmidt
Andrew Farke	State University of New York at Stony Brook	Paleontology/ Sedimentation	Vertebrate Paleontological Exploration in the Upper Cretaceous of the Ambilobe (Diego) Basin, Northern Madagascar	David Krause
Elizabeth Fein	Kent State University	Tectonics/ Geophysics	Flow fabric determination of two Mesoproterozoic midcontinent rift dike swarms, northeastern Minnesota	Daniel Holm
Kendra Fitzwater	Ball State University	Engineering	Assessment of Environmental and Public Health Hazards of Electronic Waste	John Pichtel
Arietta Fleming-Davies	Duke University	Ecology	Can indirect interactions arise from sharing mutualists? Detecting competition or facilitation for mutualist ants among plants with extrafloral nectaries	William Morris
Jessica Forrest	University of Toronto	Ecology	Causes and correlates of bee emergence in subalpine habitats	James Thomson
Andrew Foster	University of North Carolina at Chapel Hill	Physics/ Astronomy	Generalized Data Regression Using Genetic Algorithms	Daniel Reichart
Kasey Fowler-Finn	University of Nebraska at Lincoln	Systematics/ Evolutionary Biology	An examination of the genetics underlying geographic variation in reproductive isolation between a brush-legged and non-ornamented wolf spider in the genus <i>Schizocosa</i>	Eileen Hebets

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Margaret Gaddis	University of Denver	Ecology	Soil chemistry before and after Russian olive removal: understanding restoration implications.	Anna Sher
Joselyd Garcia	University of Puerto Rico at Mayaguez	Conservation Biology	Genetic variation in <i>Acropora palmata</i> and <i>Acropora cervicornis</i> in Puerto Rico	Nikolaos Schizas
Krista Garcia	University of Alabama at Tuscaloosa	Anthropology	Changing Maya Economic Practices: Ceramic Production and Standardization during the Late Classic at Chan, Belize	Cynthia Robin
Josephine Giles	Mount Holyoke College	Cell Biology/ Biochemistry	Characterization of the Role of Dendritic Cells in Murine AIDS	Sharon Stranford
Vinita Gowda	George Washington University	Ecology	A Population genetics approach to understand sex-specific adaptation in the Caribbean Heliconia-hummingbird system	W.J. Kress
Drew Gower	University of Wisconsin-Madison	Hydrology/ Geomorphology	Seepage quantification and modeling of reservoir contribution to groundwater levels in the Nariarlé basin of Burkina Faso	Jean Bahr
Jeremy Green	North Carolina State University	Paleontology/ Sedimentation	Long bone histology and growth patterns in Late Triassic dicynodonts (<i>Therapsida</i> , <i>Anomodontia</i>) from North America	Mary Schweitzer
Angela Green-Garcia	Louisiana State University-Baton Rouge	Petrology/ Geochemistry	Characterization of the lucinid bivalve-bacteria symbiotic system: the significance of the geochemical habitat on bacterial symbiont diversity and phylogeny	Annette Engel

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Nicole Griffin	George Washington University	Anthropology	Hominid Forefoot Kinematics, Kinetics, and Trabecular Bone Architecture	Brian Richmond
Mark Grippo	Louisiana State University-Baton Rouge	Ecology	Investigation of food webs on unique shoals located off coastal Louisiana	John Fleeger
Erik Gulbranson	University of California-Davis	Paleontology/ Sedimentation	Paleoclimatology of the Late Paleozoic deglaciation in Gondwana	Isabel Montanez
Jason Gulley	University of Florida	Hydrology/ Geomorphology	Evaluation of glacier stress regime controls on englacial conduit routing: a dynamic, plastic karst aquifer approach to glacier hydrology.	Jonathan Martin
Jerry Guo	Yale University	Conservation Biology	Genetic diversity of a possibly endangered Malagasy gecko species, <i>Lygodactylus mirabilis</i>	Ylenia Chiari
Christian Gutierrez	Miami University Ohio	Cell Biology/ Biochemistry	Dissecting Transdifferentiation, the Key for Eye Tissue Repair and Regeneration	Katia Del Rio-Tsonis
Angela Hakenewerth	Saint Louis University	Cell Biology/ Biochemistry	Development of light-induced dopamine signaling in mouse retina	Judith Ogilvie
Bethiah Hall	University of Kansas	Paleontology/ Sedimentation	A Depositional Analysis of Tidally Influenced Deltaic Deposits in the Torrey Member of the Triassic Moenkopi Formation, Capitol Reef National Park Area, Utah	Diane Kamola
Shanna Harkey	University of California-Davis	Psychology	Immediate Effects of Dopamine Manipulation in the Infant Prairie Vole	Karen Bales

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Thomas Haver	Miami University Ohio	Physics/ Astronomy	Assessing the Spatial Resolution of a Capillary-Based, High-Pressure Chamber for Fluorescence Microscopy Imaging via Structured Illumination	Paul Urayama
Jessica Healy	Colorado State University	Physiology/ Functional Morphology	Ghrelin levels in feeding and fasting hibernating mammals	George Florant
Robert Heckman	University of Virginia	Ecology	The Effects of Biodiversity and Nutrient Pulses on the Invasibility of Tallgrass Prairie by a Non-native Forb in Virginia	David Carr
Michelle Hersh	Duke University	Ecology	The role of seedling pathogens in temperate forest recruitment	James Clark
Dawn Higginson	Syracuse University	Systematics/ Evolutionary Biology	Gametic innovation and species radiation in diving beetles	Scott Pitnick
Brendan Hodkinson	Duke University	Ecology	Lichen-associated bacterial diversity in the American tropics	Francois Lutzoni
Markella Hoffman	University of Kansas	Hydrology/ Geomorphology	Incision and exhumation history of the Colorado Plateau in the Canyonlands to Book Cliffs region, Utah	Daniel Stockli
Danica Hogan	Trent University	Ecology	A Comparison of the Invertebrate Communities of Two Adjacent Central Arctic Lakes of Different Depths in Relation to Waterfowl Movements	Michael Berill
Kelly Hogan	Pennsylvania State University	Cell Biology/ Biochemistry	Identifying a role for TGF- β 1 in induction of the NF κ B pathway by ultraviolet radiation (UVR) in primary keratinocytes	Adam Glick

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Andrew Hoover	University of Illinois at Urbana-Champaign	Chemistry	In vitro selection of deoxyribozymes with substrate-general RNA ligase activity	Scott Silverman
Andrew Hope	University of New Mexico	Systematics/ Evolutionary Biology	Molecular vs. morphological vicariant evolution of rapidly evolving mammals: <i>Sorex minutissimus</i> , the tiny shrew	Joseph Cook
Bobby Hsu	University of Hawaii at Hilo	Conservation Biology	Transfer of maternal antibodies in Hawaii 'amakih	Patrick Hart
James Hurlburt	University of Georgia	Anthropology	An Ecology of Pain: Early Adverse Experiences, Cultural Meanings and the Development of Chronic Pain	Bram Tucker
Theresa Hyland	University of Massachusetts Amherst	Anthropology	The Green Fields of (Post-Colonial) Ireland: Language, Immigration, and the 'Celtic Tiger'.	Krista Harper
Melissa Islam	University of Colorado at Boulder	Systematics/ Evolutionary Biology	Tracing the evolutionary history of <i>Erythroxyllum</i>	Thomas Ranker
Gabriel Izsak	University of Georgia	Tectonics/ Geophysics	A Translational Model for the Great Valley Group, California: A Detrital Zircon Analysis	James Wright
Amanda Izzo	University of Michigan-Ann Arbor	Behavioral Ecology	Hormonal Control of Chemical Communication in a Paper Wasp, <i>Polistes dominulus</i>	Elizabeth Tibbetts
Leah James	Queens University	Ecology	Effect of the invasive predator, <i>Bythotrephes longimanus</i> on growth of fishes in Ontario lakes.	Shelley Arnott
Justin Jaworski	Duke University	Engineering	Construction of Experimental Wing Model for Nonlinear Aeroelasticity Studies	Earl Dowell
Ashley Johnson	University of Illinois at Urbana-Champaign	Behavioral Ecology	Inbreeding avoidance in a natural population of the guppy <i>Poecilia reticulata</i>	Kimberly Hughes

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Edward Jolie	University of New Mexico	Anthropology	Learning Networks and Social Diversity in the Chaco System, A.D. 850–1140: An Analysis of Basketry Technology	Wirt Wills
Debra Joseph	SUNY College of Environmental Science and Forestry	Chemistry	Ecotoxicological Exposure Assessment of Frogs to Endocrine Disruptors	John Hassett
Donna Kennedy	University of Tennessee-Knoxville	Psychology	Testing the Spousal Caregiving Model of Stress in Caregivers of Persons with Multiple Sclerosis	Debora Baldwin
Miranda Kim	University of Pennsylvania	Physiology/ Functional Morphology	Effects of Chlorinated Water on Zebrafish Eye Development and Function	Gary Kao
Ruwan Kiringoda	Ohio State University	Physics/ Astronomy	The Treatment of Large Brain Tumors Using Peripheral Small-Shot Irradiation with Gammaknife Radiosurgery and NOMOS Tomotherapy	Jian Wang
Jeffrey Klein	University of Minnesota, Twin Cities	Physics/ Astronomy	Development and Integration of a Half Wave Plate Polarimeter for the EBEX Cosmic Microwave Background Balloon Experiment	Shaul Hanany
Benjamin Koch	University of Wyoming	Ecology	Consumptive and non-consumptive interaction strength estimates derived from population energetics: Impacts of brook trout on prey productivity	Robert Hall
Sarah Kopczyński	Lehigh University	Hydrology/ Geomorphology	Potential sediment flux consequences of glacial-to-interglacial ice dynamics of the Upper Cook Inlet, Alaska	Edward Evenson

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Karen Koy	University of Illinois at Chicago	Paleontology/ Sedimentation	Changes in Resource Availability and the Evolution of Foraging Behavior	Ron Plotnick
Jennifer Lane	City University of New York-City College	Systematics/ Evolutionary Biology	The morphology and relationships of the hybodont shark <i>Tribodus limae</i> , with a phylogenetic analysis of hybodont sharks (<i>Chondrichthyes</i> , <i>Hybodontiformes</i>)	John Maisey
Elizabeth Lehman	University of Michigan-Ann Arbor	Cell Biology/ Biochemistry	Risk factors for Hepatocellular Carcinoma in Egypt: A molecular and spatial approach	Mark Wilson
Mark Lesser	University of Wyoming	Ecology	Dynamics of tree colonization: spatial and temporal patterns of ponderosa pine expansion	Stephen Jackson
Nicholas Levsen	University of Kansas	Systematics/ Evolutionary Biology	Evolution and Glacial History of <i>Chrysosplenium Wrightii</i> , and Ultramafic Endemic Plant on Kodiak Island, Alaska	Mark Mort
Weiguo Li	University of Illinois at Chicago	Engineering	New possible marker for evaluating the tissue-engineered cartilage	Richard Magin
Andrew Lucas	Virginia Polytechnic Institute and State University	Cell Biology/ Biochemistry	Studies on structural transitions-mediated circadian transcription factor function	Carla Finkielstein
Shengqian Ma	Miami University Ohio	Chemistry	Investigation of Hydrogen Adsorption in Porous Metal-Organic Frameworks with Heterometal Centers by Inelastic Neutron Scattering	Hongcai Zhou
Lauren MacDade	Ohio State University	Ecology	Contribution of Emergent Aquatic Insects to Diet and Consequences for Refueling in Spring Migrant Landbirds	Paul Rodewald

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Arun Mahendra	Tarleton State University	Computer Science/ Mathematics	A behavior-based approach to piloting autonomous mobile robots	Mircea Agapie
Cassandra Martin	University of Nebraska at Lincoln	Behavioral Ecology	Association Costs in the Female Variable Field Cricket, <i>Gryllus lineaticeps</i>	William Wagner
Tiziana Matarazzo	University of Connecticut	Anthropology	Micromorphological Identification of Human Activity areas at the Italian Early Bronze Age site, T.A.V. Afragola	Natalie Munro
Kerry Mauck	Pennsylvania State University	Ecology	A study of the effects of cucumber mosaic virus infection on host plant chemistry and vector behavior.	Mark Mescher
Emily McConnelly	Hope College	Behavioral Ecology	Hormonal and Environmental Differences Associated with Aggressive Nestbox Defense and Reproductive Success in the Eastern Bluebird (<i>Sialia sialis</i>)	Greg Fraley
Dorien McGee	University of South Florida	Petrology/ Geochemistry	Testing a Biologic Model of Carbonic-Acid Driven Cave Dissolution with Stable Carbon Isotope Tracing	Peter Harries
Heather McGray	University of California-Irvine	Ecology	Does genetic diversity facilitate exotic plant invasions?: interactions between ecological and evolutionary mechanisms	Katherine Suding
Ellen McGuinness	Furman University	Hydrology/ Geomorphology	Isotopic analysis of nitrates in urban watersheds	Charles Andersen
Christopher Meehan	Villanova University	Behavioral Ecology	Parasitism of an ant-acacia mutualism by an herbivorous jumping spider.	Robert Curry

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Rodrigo Mercader	Michigan State University	Ecology	Climate change induced diversification in host plant associations in a butterfly lineage through the increased hybridization of two generalist butterflies.	Jon Scriber
Adam Miller	Appalachian State University	Cell Biology/ Biochemistry	Differential Gene Expression Due to Photoperiodic Response in <i>Scytosiphon lomentaria</i>	Mary Connell
Cameron Miller	Duke University	Systematics/ Evolutionary Biology	Host Specialization and Co-evolution of <i>Ceanothus</i> and <i>Frankia</i>	Dylan Burge
Rochelle Mothokakobo	San Diego State University	Ecology	Determining the role of biotic and abiotic factors in the production of phlorotannins in the brown macroalgae <i>Macrocystis pyrifera</i>	Matthew Edwards
Somshuvra Mukhopadhyay	New York Medical College	Cell Biology/ Biochemistry	NO-mediated block of SNARE-disassembly in pulmonary arterial hypertension.	Pravinkumar Sehgal
Melanie Murphy	Washington State University	Ecology	Limits to species' distribution and persistence: A landscape genetics study of sympatric amphibians in Yellowstone National Park	Andrew Storfer
Tami Murphy	Villanova University	Physiology/ Functional Morphology	Phenotypic analysis of transcriptional co-activator, brd2, gene knockdowns in zebrafish (<i>Danio rerio</i>) embryos	Andela Di Benedetto
Punya Nachappa	Kansas State University	Ecology	Testing for Potential Crosstalk between the Salicylate and Jasmonate Signaling Pathways and its Effects on Trophic-level Interactions.	David Margolies

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David Nidever	University of Virginia	Physics/ Astronomy	Exploring the Stellar Halo of the Large Magellanic Cloud	Steven Majewski
Jennifer Olori	University of Texas at Austin	Systematics/ Evolutionary Biology	Ontogeny of microsaur and implications for microsaur intra-relationships and lissamphibian origins	Christopher Bell
Michael O'Mara	Arizona State University	Anthropology	The influence of habitat quality, feeding competition and stress on the development of sex differences in the feeding ecology of ring-tailed lemurs (<i>Lemur catta</i>)	Leanne Nash
Zeynep Oner	Miami University Ohio	Tectonics/ Geophysics	Supradetachment Basin Evolution & Kinematics of Post-collisional Extension in Western Anatolia, Turkey	Yildirim Dilek
Margaret Orders	Virginia Polytechnic Institute and State University	Engineering	Fate of Omega-3 Fatty Acids in Processed Dairy Products	Parameswarakumar Mallikarjunan
Ian Orland	University of Wisconsin-Madison	Petrology/ Geochemistry	Sub-annual resolution climate record of the eastern Mediterranean: Ion microprobe analysis of speleothems from Soreq Cave, Israel	John Valley
Sarah Orlofske	Virginia Polytechnic Institute and State University	Physiology/ Functional Morphology	Energetic costs of trematode metacercariae infection in larval amphibian intermediate hosts	William Hopkins

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Prajakta Palkar	University of Louisiana at Monroe	Cell Biology/ Biochemistry	Proteomics study of new red blood cells (RBCs) from primed rats which are resistant to 2-butoxyethanol (BE)-induced hemolysis by 2-dimensional gel electrophoresis followed by Mass Spectrometry.	Harihara Mehendale
Lisa Pang	Duke University	Cell Biology/ Biochemistry	The microtubule-severing process and its role in neural development	Nina Sherwood
Bret Pasch	University of Florida	Behavioral Ecology	Songs, sex, and elevation: High altitude relaxation of sexual selection in singing mice songs?	Steven Phelps
Shannon Pelini	University of Notre Dame	Ecology	Can specialist species move ahead? The role of transition zones in host plants for a specialist butterfly species	Jessica Hellmann
Karen Perry	Louisiana State University-Baton Rouge	Cell Biology/ Biochemistry	Expression of stress-inducible proteins in early life stages of 2 bivalves following pesticide exposure	John Lynn
Sujal Phadke	University of Houston	Systematics/ Evolutionary Biology	Investigating the mating type-preference in the model eukaryote: <i>Tetrahymena thermophila</i>	Rebecca Zufall
Rachel Pirot	Portland State University	Hydrology/ Geomorphology	Debris Flow Hazard Mapping, Mt. Hood, Oregon	Scott Burns
Michael Plenzler	Bowling Green State University	Ecology	Management effects on the recruitment and establishment of <i>Lupinus perennis</i> (L.).	Helen Michaels
Leeanna Pletcher	Virginia Commonwealth University	Ecology	The 'ecology of fear': Colonization and aquatic subsidies	James Vonesh
Kimberly Pollard	University of California-Los Angeles	Behavioral Ecology	The evolution of group size and individual distinctiveness	Daniel Blumstein

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Daniel Polsgrove	University of Minnesota, Twin Cities	Physics/ Astronomy	A Variable Wavelength, Narrow-Band Spectrometer as a Millimeter-Wave Emission Source for High-Precision Calibration of Astronomical Polarimetry Experiments	Terry Jones
Kathryn Quillin	Appalachian State University	Conservation Biology	Chicken Litter Runoff in High Quality Headwater Streams: An Investigation of Endocrine Disruption and Heavy Metal Toxicity	Shea Tuberty
Anthony Rafferty	Duke University	Conservation Biology	Development of a baseline of catch and bycatch data for the fixed gear sector fleet in Georges Bank, Cape Cod	Eric Brazer
Kartik Ramamoorthi	Rutgers, The State University of New Jersey	Psychology	Contributions of Hippocampal PKC mRNA Expression to Memory Acquisition	Timothy Otto
Tami Ransom	University of Virginia	Ecology	Differential Effects of Introduced and Native Earthworms on the Forest Floor Faunal Community	Henry Wilbur
John Recha	Cornell University	Ecology	Nutrient sustainability along a soil degradation gradient on a watershed scale in smallholder agriculture	Johannes Lehmann
Julie Reeves	Central Missouri State University	Cell Biology/ Biochemistry	Effect of bacterial cell density on virulence in a strain of <i>Listeria monocytogenes</i>	Anna Oller
Krista Reichert	University of New Hampshire	Paleontology/ Sedimentation	A 100,000 year record of temperature variation in the Lake Chewaucan Basin, Oregon, using amino acid racemization.	Joseph Licciardi

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Student	Institution	Subject	Title	Mentor
Jennifer Ress	Bowling Green State University	Ecology	Influence of Moisture on Wetwall Algal Community Composition and Structure: Field Moisture Manipulations and Natural Habitat Surveys	Rex Lowe
Luciana Riccialdelli	Universidad Nacional de La Plata	Ecology	Trophic Ecology of Subantarctic Cetaceans Using Conventional and Isotopic Techniques	Ricardo Bastida
Clare Rittschof	University of Florida	Behavioral Ecology	Does variation in local operational sex ratio affect male alternative reproductive tactics in the golden orb spider?	H.J. Brockmann
Aubree Roche	University of Georgia	Physiology/ Functional Morphology	Reservoir Competence of Darkling Beetles (<i>Tenebrionidae: Alphitobius diaperinus</i>) for Inoculated Salmonella	Nancy Hinkle
Lisa Rohrer	University of Minnesota, Twin Cities	Psychology	Biological and behavioral correlates of social affiliation and attachment	Tonya White
Anne Ruminski	University of California-San Diego	Chemistry	Porous silicon photonic nanostructures containing pore diameter and surface chemistry gradients as microsensors for environmental toxicants and pollutants	Michael Sailor
Patricia Ryberg	University of Kansas	Paleontology/ Sedimentation	Permineralized Glossopteris ovules and ovulate organs from the Permian of Antarctica and Australia	Edith Taylor

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Roberto Salguero-Gomez	University of Pennsylvania	Ecology	Climate change and demographic effects of off-growing season precipitation on herbaceous perennial "Cryptantha flava" L. (<i>Boraginaceae</i>).	Brenda Casper
Roberta Salmi	State University of New York at Stony Brook	Anthropology	Description and Function of Close Calls in Western Gorillas (<i>Gorilla gorilla</i>), Republic of Congo	Diane Doran Sheehy
Jose Santos	University of California-Berkeley	Behavioral Ecology	Ecology of sociality in rodents: the role of food reevaluated	Eileen Lacey
Mark Schlottko	University of Wisconsin-Milwaukee	Paleontology/ Sedimentation	Paleoecology of the middle Cambrian eocrinoid echinoderm <i>Gogia spiralis</i> : Shifting substrate adaptation strategies through ontogeny	Stephen Dornbos
Jason Schmidt	Miami University Ohio	Ecology	An analysis of seasonal and habitat specific Diptera feeding patterns in wolf spiders	Ann Rypstra
Cynthia Schultz	San Jose State University	Petrology/ Geochemistry	Ultramafic and basalt hosted biosignatures in the Coast Range Ophiolite near Stonyford, California	Ellen Metzger
Rebecca Sealfon	Duke University	Physiology/ Functional Morphology	Microevolutionary and Macroevolutionary Niche Shift in the Mustelidae (Mammalia): Using Weasels to Understand Whales	Clifford Cunningham
Parth Shah	University of Akron	Engineering	Development of Electrospun films type drug delivery devices using blends of novel L-tyrosine based polyurethanes and polyphosphates	Stephanie Lopina

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Kimberly Sheldon	University of Washington	Ecology	Seasonality, thermal tolerance, and range size: understanding the distribution of tropical and temperate species across altitudinal gradients	Joshua Tewksbury
Yingjia Shen	Miami University Ohio	Cell Biology/ Biochemistry	Large Scale Confirmation of Plant Poly(A) Signals Compiled through Bioinformatic Approach	Qingshun Li
Christopher Sheridan	University of Newcastle upon Tyne	Conservation Biology	Parrotfish corallivory as a means of coral diseases transmission – Evaluation by comparison of bacterial populations	John Bythell
Sargent Shriver	University of Alaska Fairbanks	Anthropology	Cross-cultural work on moral judgments: Moral intuitions of the Nunamuit Eskimo	Marc Hauser
Heather Shull	Boston University	Systematics/ Evolutionary Biology	The influence of MHC genotype on resistance to avian malaria in African indigobirds (<i>Vidua spp.</i>)	Michael Sorenson
Jennifer Sliko	University of South Florida	Paleontology/ Sedimentation	Environmental Controls Affecting <i>Siderastrea</i> Coral Morphology	Gregory Herbert
Chad Smith	University of Texas at Austin	Ecology	Sperm quantity, quality, and fertilization success of alternative male mating strategies in the swordtail fish <i>Xiphophorus nigrensis</i>	Michael Ryan
Cybil Smith	Oklahoma State University	Behavioral Ecology	Mate guarding and territoriality in the North American skinks <i>Plestiodon obsoletus</i> , <i>Plestiodon obtusirostris</i> , and <i>Scincella lateralis</i>	Stanley Fox
Laura Smith	George Mason University	Psychology	Nicotine sensitization in an adolescent rat model: the role of the D3 dopamine receptor.	Robert Smith

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Lindsey Smith	The Graduate Center, The City University of New York	Anthropology	Gestural Communication in the African Apes	Roberto Delgado
Amanda Sparkman	Iowa State University	Systematics/ Evolutionary Biology	Endocrine-Mediated Evolution of Life History Traits in <i>Thamnophis elegans</i> : A Common Garden Experiment	Anne Bronikowski
Rachel Sprague	University of Montana	Behavioral Ecology	The Stress Physiology of Reproductive Decisions	Creagh Breuner
Caleb Stroup	Idaho State University	Paleontology/ Sedimentation	Cenozoic paleodrainage and basin development of southwestern Montana and eastern Idaho: Evidence from detrital zircon	Paul Link
Stephanie Strudley	University of Denver	Ecology	Tamarix spp. control effects on the terrestrial arthropods trophic cascade	Anna Sher
Zachary Swaim	University of North Carolina at Wilmington	Physiology/ Functional Morphology	Investigating lipid metabolism in North Atlantic right whales: using fecal samples to assess assimilation of copepod triacylglycerols and wax esters	Heather Koopman
Cynthia Tant	University of Georgia	Ecology	Nutrient Enrichment Effects on Detrital Resources: Linkages between Coarse and Fine Particulate Matter	Amy Rosemond
Jason Tavares	McGill University	Engineering	Synthesis of a stabilized copper-ethylene glycol nanofluid for use as an enhanced heat transfer fluid	Sylvain Coulombe
James Thigpen	Virginia Polytechnic Institute and State University	Tectonics/ Geophysics	Characterization of 3-D vorticity and strain symmetry in the southern Appalachian Inner Piedmont: An exhumed orogenic hinterland?	Richard Law

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Molly Timmers	University of Hawaii at Hilo	Conservation Biology	Gene Flow and connectivity of the crown-of-thorns starfish, <i>Acanthaster planci</i> , in the central Pacific	Marta de Maintenon
Leita Tschanz	University of Newcastle upon Tyne	Conservation Biology	Biogeographic variation of zooxanthellae in selected scleractinian corals from the West India Ocean.	John Bythell
Martin Turcotte	University of California-Riverside	Systematics/ Evolutionary Biology	Quantifying the ecological and evolutionary importance of rapid evolution	David Reznick
Larissa Unruh	University of Oregon	Ecology	Direct virus competition in a common native perennial grass	Barbara Roy
Kari Van Brunt	University of Missouri-St. Louis	Physics/ Astronomy	Characterization of Volatiles Around Young Stellar Objects	Erika Gibb
James Van Dyke	University of Arkansas at Fayetteville	Physiology/ Functional Morphology	A mechanistic examination of the capital-income breeding dichotomy	Steven Beaupre
Avinash Vanjare	University of Pune	Systematics/ Evolutionary Biology	Biodiversity and Taxonomic studies on Sessile and Colonial Rotifera from Pune, Maharashtra.	Kalpana Pai
Carrie Veilleux	University of Texas at Austin	Anthropology	Ecological Correlates of Selection on the S-Opsin Gene in Primates: Implications for the Evolution of Color Vision	Edward Kirk
Rob Venczel	Southern Illinois University-Carbondale	Hydrology/ Geomorphology	Historical Trends in Flow Dynamics and Flood Magnification, Tisza River, Hungary	Nicholas Pinter
Jann Vendetti	University of California-Berkeley	Systematics/ Evolutionary Biology	Early ontogenetic evolution in buccinid gastropods: a multi-disciplinary approach	Carole Hickman

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James Veteto	University of Georgia	Anthropology	Cultural versus Utilitarian Saliency in the Persistence of Folk Crop Varieties in an Immigrant Southern Appalachian population of Yecora, Mexico	Robert Rhoades
Edward Vul	Massachusetts Institute of Technology	Psychology	How does the brain compensate for vision loss?	Nancy Kanwisher
Joshua White	Boise State University	Ecology	The importance of harvester ant seed predation on slickspot peppergrass reproduction	Ian Robertson
Margarite Whitten	University of Massachusetts Amherst	Anthropology	Reformed Women: Reproductive Policy in Post-Regime Portugal and the Abortion Debate	Krista Harper
Jennifer Williams	University of Montana	Ecology	Understanding invasive plant success with experiments in the native and introduced ranges	John Maron
Michael Williams	Louisiana State University-Baton Rouge	Paleontology/ Sedimentation	A Significant Undescribed Late Barstovian (Miocene) Herpetofauna from the Fleming Formation on Fort Polk, Western Louisiana	Judith Schiebout
Sandra Woolfolk	Mississippi State University	Ecology	Fungi and bacteria associated with red imported fire ants and mounds in Mississippi, and their potential use as biological control agents.	Richard Baird
Daniel Wright	Rockhurst University	Cell Biology/Biochemistry	Nearest Neighbor Parameters for Inosine-Cytosine Pairs Located Within Watson-Crick Helices	Brent Znosko
Jennifer Wright	Western Washington University	Petrology/ Geochemistry	Measurement of Metamorphic Kinetics through combined EPMA and Sm-Nd dating.	David Hirsch

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Sarah Wright	University of Wisconsin-Madison	Ecology	Examining ecotypic variation in climate tolerance traits of <i>Lupinus perennis</i> , hostplant of the endangered Karner Blue Butterfly	Donald Waller
Cheng-Chiang Wu	Harvard University	Systematics/ Evolutionary Biology	Evolution of MADS-box Protein Modules in Eudicot Angiosperms	Elena Kramer
Zhongyu Xie	University of Louisiana at Lafayette	Systematics/ Evolutionary Biology	Evolution, Function of Vicilin Genes from Wild Louisiana Legumes	Caryl Chlan
Asako Yamamuro	Oregon State University	Ecology	Forecasting the effects of dam-induced flow changes on stream-dwelling organisms	David Lytle
Josiah Zayner	Appalachian State University	Cell Biology/ Biochemistry	Regulation of <i>Vibrio cholerae</i> biofilm by NspS and MbaA	Ece Karatan
Joy Zhang	Stanford University	Cell Biology/ Biochemistry	Phenotypic Analysis of Muscle Stem Cell Fate	Helen Blau
Jennifer Zovar	Vanderbilt University	Anthropology	Community and Identity in the Andean Late Prehispanic Period: Ceramic Analysis at the Pukara de Khonkho, Bolivia	John Janusek